



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

### Match each of the following terms to its definition:

Interphase

Hybrid

Homologous chromosomes

Gregor Mendel

Karyotype

Heredity

Heterozygous

Homozygous

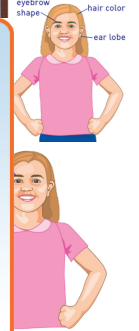
1. \_\_\_\_\_ - an Austrian monk and teacher who developed the foundation of genetics based on his pea plant studies



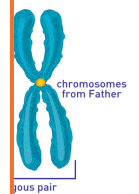
2. \_\_\_\_\_ - the passing of traits and characteristics from parents to offspring



3. \_\_\_\_\_ trait



4. \_\_\_\_\_ length and



5. \_\_\_\_\_ particular

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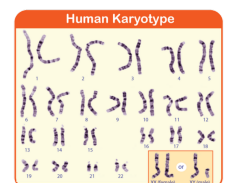
6. \_\_\_\_\_ - an animal or plant resulting from a cross between genetically different organisms



7. \_\_\_\_\_ - the first stage of the cell cycle and the period before cell division during which the cell matures and prepares to divide and copies its chromosomes (DNA) and centrioles



8. \_\_\_\_\_ - a picture of the actual chromosomes of the organism, arranged in pairs





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1. **Gregor Mendel** - an Austrian monk and teacher who developed the foundation of genetics based on his pea plant studies



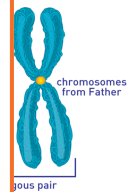
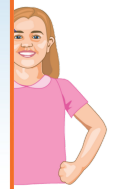
2. **heredity** - the passing of traits and characteristics from parents to offspring



3. **heterotrait**



4. **homologous chromosomes** are the same



5. **homologous chromosomes** are particular

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6. **hybrid** - an animal or plant resulting from a cross between genetically different organisms



7. **interphase** - the first stage of the cell cycle and the period before cell division during which the cell matures and prepares to divide and copies its chromosomes (DNA) and centrioles



8. **karyotype** - a picture of the actual chromosomes of the organism, arranged in pairs

